

**1) CONCRETE SECTION 1**

CONCRETE WORK SHALL COMPLY WITH CSA-A23.3-14  
 SUBMIT FOR REVIEW THE PROPOSED MIX DESIGN FOR EACH CLASS OF CONCRETE  
 PROVIDE EXPANSION JOINTS @ 6000 O/C MAX.

ELEMENT	28 DAYS STRENGTH	SLUMP MAX.	EXPOSURE CLASS
SLABS-ON-GRADE	25 MPa	75 mm	N
FOOTINGS, TYP. FOUNDATION WALLS	25 MPa	75 mm	F-2
RETAINING WALLS	35 MPa	75 mm	C-1
PAVEMENTS & WALKS	32 MPa	50 mm	C-2

\*OBTAIN THESE SLUMPS WITH AID OF SPECIFIED WATER REDUCING AGENT

NOTE: ALL CONCRETE EXPOSED TO EXTERIOR CONDITIONS TO HAVE MIN. 6% AIR ENTRAINMENT

**1.2 CONCRETE COVER (CLEAR TO REINFORCING)**

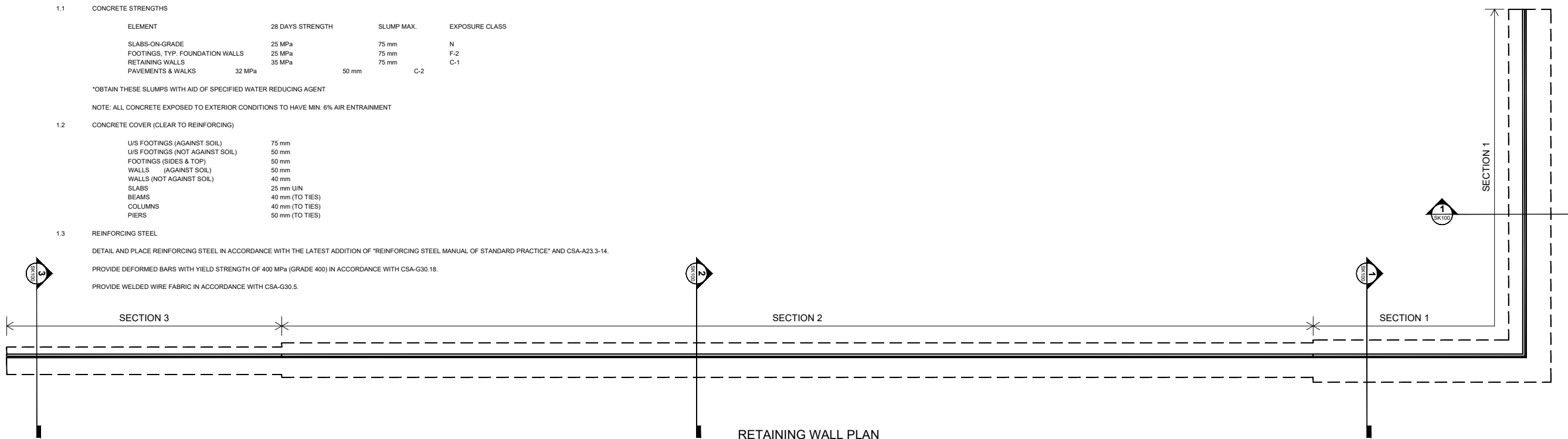
U/S FOOTINGS (AGAINST SOIL)	75 mm
U/S FOOTINGS (NOT AGAINST SOIL)	50 mm
FOOTINGS (SIDES & TOP)	50 mm
WALLS (AGAINST SOIL)	50 mm
WALLS (NOT AGAINST SOIL)	40 mm
SLABS	25 mm U/N
BEAMS	40 mm (TO TIES)
COLUMNS	40 mm (TO TIES)
PIERS	50 mm (TO TIES)

**1.3 REINFORCING STEEL**

DETAIL AND PLACE REINFORCING STEEL IN ACCORDANCE WITH THE LATEST ADDITION OF "REINFORCING STEEL MANUAL OF STANDARD PRACTICE" AND CSA-A23.3-14.

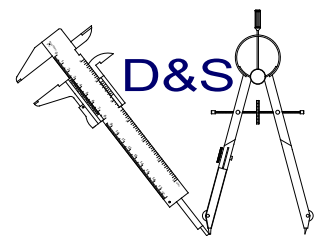
PROVIDE DEFORMED BARS WITH YIELD STRENGTH OF 400 MPa (GRADE 400) IN ACCORDANCE WITH CSA-G30.18.

PROVIDE WELDED WIRE FABRIC IN ACCORDANCE WITH CSA-G30.5.



REV	DESCRIPTION	DATE
1	FOR SITE PLAN APPROVAL	05.08.2020
0	FOR SITE PLAN APPROVAL	16.04.2020

**DESIGN & SYSTEMS**  
 STRUCTURAL & WELDING ENGINEERS



SUITE 252, 2378 HOLLY LANE  
 OTTAWA, ON K1V 3P1  
 TEL +1 (613) 739-7482  
 FAX +1 (613) 739-0617

ENGINEER



CLIENT

**MEGHA HOLDINGS INC**  
 1000 BELLFAST ROAD, OTTAWA, ON K1G 4A2

PROJECT

**INDUSTRIAL WAREHOUSE**  
 1243 TERON ROAD, KANATA, ON K2K 1X2

DRAWING

**RETAINING WALL**  
 PLAN AND TYP. WALL SECTIONS

DRAWN BY	EAJ	DWG. NO.	SK 100
CHECKED BY	BSK	SCALE	D.N.T.S
DATE	05.08.2020		